Table A.2.3 North Field/Main Yard SWMA 3 Summary of Boring Log and Analytical Data

Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations Greater Than Delineation Criteria
B20 9/3/91	16	5	Fill:0 to 16 (brick fragments and cinders at 4-8, saturated with oil at 6-10, oil stained and saturated at 10-14, "petroleum cat-cracker beads" at 12-16, oil stained at 14-16	70 (14-16)	O, U, F	B20 (1.5-2)	TPH	None
					O, S, F	B20 (5.5-6)	TPH	None
					O, S, F	B20 (7-7.5)	TPH	None
					O, S, F	B20 (8.5-9)	TPH	None
					O, S, F	B20 (10-10.5)	TPH	TPH: 18000 mg/kg
					O, S, F	B20 (12.5-13)	V, S, M, TPH	**Benzene: 7 mg/kg** Xylenes: 160 mg/kg **Benzo(a)pyrene: 110 mg/kg** Benzo(b,j,k)fluoranthene: 54 mg/kg Chrysene: 170 mg/kg Dibenz(a,h)anthracene: 36 mg/kg Methylchrysene: 140 mg/kg TPH: 64000 mg/kg
					O, S, F	B20 (14-14.5)	TPH	TPH: 21000 mg/kg
					O, S, F	B20 (15.5-16)	TPH	None
SB0043 10/20/95 1st Soils (SWMA 3)	12	6	Fill: 0-12 (trace wood fragments, paper, moist petroleum saturated soil at 8-10)	195 (8-10)	O, S, F	SB0043SE (8-10)	V, S, Pb, TEL	**Benzo(a)pyrene: 1.1 mg/kg**
SB0042 10/17/95 1st Soils (SWMA 3)	10	2	Fill: 0-8 (trace glass fragments, petroleum odor, staining at 4-6; petroleum saturated soil at 6-8) Meadow mat: 8-10	99 (6-8)	O, S, F	SB0042SD (6-8)	V, S, Pb, TEL	**Benzo(a)pyrene: 2.6 mg/kg**

Table A.2.3 North Field/Main Yard SWMA 3 Summary of Boring Log and Analytical Data

Boring/ Date/ Report	Total Depth of Boring	Depth to Water[1]	Lithologic Description[2] (Observation Notes)	Maximum PID Response, ppm_v (Depth)	Sample Type[3]	Sample ID (Depth)	Analyses[4]	COC Concentrations Greater Than Delineation Criteria
U021002 10/17/95 1st Soils (SWMA 3)	6	1	Fill: 0-6 (organic odor, some petroleum staining at 2-6)	0	None			
U005002 10/20/95 1st Soils (SWMA 3)	12	9	Fill: 0-12 (black staining at 0-2, trace glass and coal fragments, black stained at 810; visible petroleum staining and sheen at 10-12)	93 (10-12)	None			

NOTES:

Benzene and benzo(a)pyrene are highlighted in bold because they are indicator constituents of concern (COCs)

Shaded rows indicate samples collected from nearby SWMUs/AOCs

ppm_v = parts per million (volume basis)

All depths referenced on this summary table are in feet below the ground surface.

PID = Photoionization detector.

ID = Identifier.

mg/kg = milligrams per kilogram (equivalent to parts per million).

µg/L = micrograms per liter (equivalent to parts per million).

[1]Depth to water as observed during borehole advancement.

[2]"Fill" encountered within the completed borings was characteristically described as an asphalt layer (typical) underlain by a heterogeneous gravel to clay mixture of unconsolidated materials, ranging in color from tan to gray with occasional construction debris (e.g., brick) present. In some locations, the fill material is further characterized by containing a slag or beaded material, in which case it is noted within the table. Also noted on the table are any other olfactory or visual observations that indicate potential petroleum-type impacts within the fill unit were observed.

[3]P – property boundary, O – on-site, U – unsaturated, S – saturated, F – fill, N – native. "None" indicates that no sample was collected.

[4]V – VOCs, S – SVOCs, M – metals, Pb – lead, TOL – total organic lead, TEL – tetraethyl lead, TPH – Total Petroleum Hydrocarbons; SPLP -- Synthetic Precipitation Leaching Procedure; -Phys. Char. -- physical characteristics.